

Amendments to the Specification

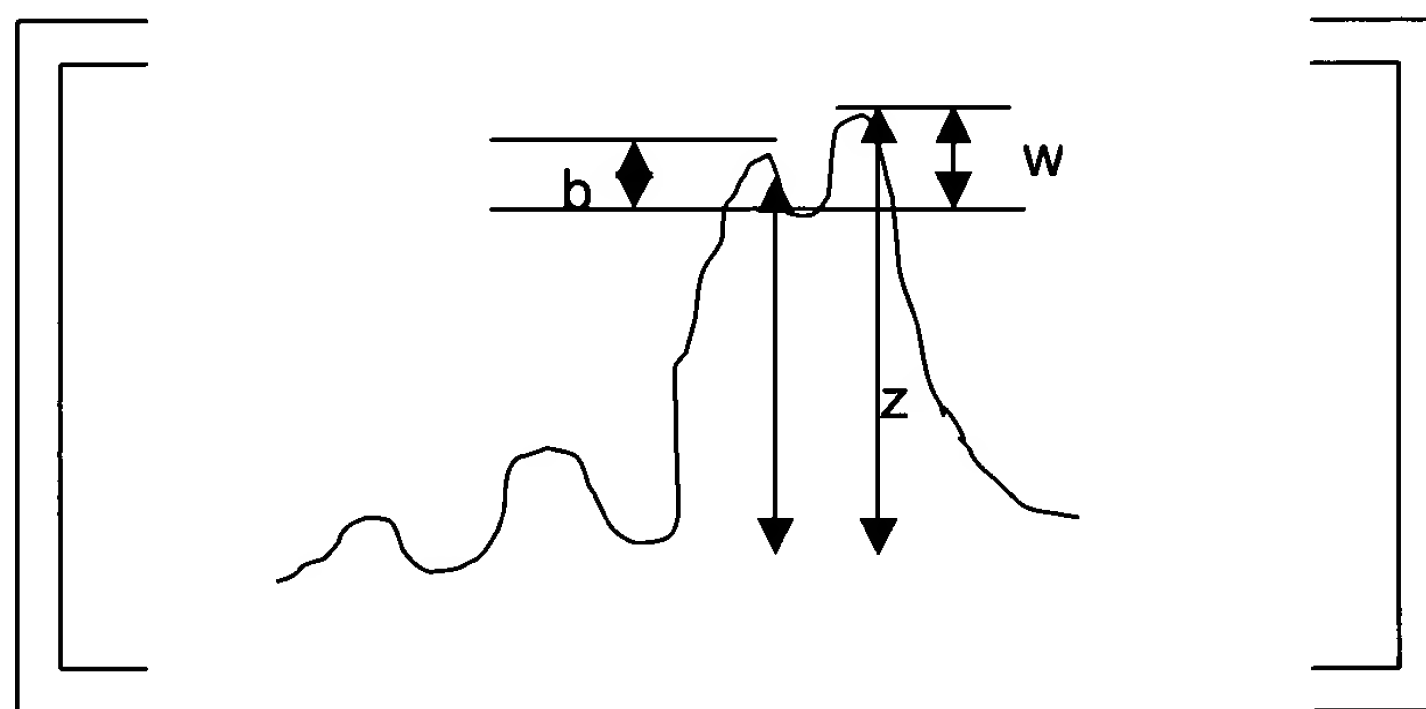
Please add the following paragraph on page 10, after line 1 and after the paragraph that was added in the Amendment submitted September 28, 2004 (the United States Patent and Trademark Office erroneously noted that the Amendment was filed September 29, 2004):

Figure 48 depicts exemplary data according to certain embodiments.

Please amend the paragraph on page 86, line 19, as follows:

Split Peak — The flag is set in certain embodiments if the ~~following~~ data shown in Figure 48 is obtained:

Please amend page 87, the drawing at the top of the page and the first three lines of text as follows:



- ~~• $a/b > 10$ and $z/w > 10$ and distance between two peaks is < 0.25 base pair. or~~
- ~~• $a/b > 8$ and $z/w > 40$ and distance between two peaks is < 0.25~~

~~The higher peak is used as the real allele.~~

Please amend the paragraph on page 91, line 4, as follows:

According to certain embodiments, the process proceeds using the flow chart in ~~Table 5~~: Figure 47.

~~TABLE 5~~

